IN THE SPECIFICATION

Please amend the paragraph beginning at page 10, line 3, as follows:

$$\left|\sum_{k=1}^{\frac{1}{2}N} Qnm(ik,ik)\right| - \left|\sum_{k=\frac{1}{2}N+1}^{N} Qnm(ik,ik)\right| \succ T \qquad \left|\sum_{k=1}^{\frac{1}{2}N} Qnm(ik,jk)\right| - \left|\sum_{k=\frac{1}{2}N+1}^{N} Qnm(ik,jk)\right| \succ T$$

....(1)

$$\left|\sum_{k=\frac{1}{2}N+1}^{N} Qnm(ik,ik)\right| - \left|\sum_{k=1}^{\frac{1}{2}N} Qnm(ik,ik)\right| \succ T \qquad \left|\sum_{k=\frac{1}{2}N+1}^{N} Qnm(ik,jk)\right| - \left|\sum_{k=1}^{\frac{1}{2}N} Qnm(ik,jk)\right| \succ T$$

....(2)

Please amend the paragraph beginning at page 12, line 9, as follows:

$$\left|\sum_{k=1}^{\frac{1}{2}N} Qnm_k(ik,ik)\right| - \left|\sum_{k=\frac{1}{2}N+1}^{N} Qnm_k(ik,ik)\right| \succ T \qquad \left|\sum_{k=1}^{\frac{1}{2}N} Qnm_k(ik,jk)\right| - \left|\sum_{k=\frac{1}{2}N+1}^{N} Qnm_k(ik,jk)\right| \succ T$$

...(3)

$$\left|\sum_{k=\frac{1}{2}N+1}^{N} Qnm_k(ik,ik)\right| - \left|\sum_{k=1}^{\frac{1}{2}N} Qnm_k(ik,ik)\right| \succ T \qquad \left|\sum_{k=\frac{1}{2}N+1}^{N} Qnm_k(ik,jk)\right| - \left|\sum_{k=1}^{\frac{1}{2}N} Qnm_k(ik,jk)\right| \succ T$$

...(4)

Please amend the paragraph beginning at page 14, line 5, as follows:

$$\left|\sum_{k=1}^{\frac{1}{2}N} Qn_km_k(ik,ik)\right| - \left|\sum_{k=\frac{1}{2}N+1}^{N} Qn_km_k(ik,ik)\right| \succ T \qquad \left|\sum_{k=1}^{\frac{1}{2}N} Qn_km_k(ik,jk)\right| - \left|\sum_{k=\frac{1}{2}N+1}^{N} Qn_km_k(ik,jk)\right| \succ T$$

...(5)

$$\left|\sum_{k=\frac{1}{2}N+1}^{N} Qn_km_k(ik,ik)\right| - \left|\sum_{k=1}^{\frac{1}{2}N} Qn_km_k(ik,ik)\right| \succ T \qquad \left|\sum_{k=\frac{1}{2}N+1}^{N} Qn_km_k(ik,jk)\right| - \left|\sum_{k=1}^{\frac{1}{2}N} Qn_km_k(ik,jk)\right| \succ T$$

....(6)

Please amend the paragraph beginning at page 18, line 22, as follows:

$$\left|\sum_{k=1}^{\frac{1}{2}N} Qn_k m_k(ik,ik)\right| \succ \left|\sum_{k=\frac{1}{2}N+1}^{N} Qn_k m_k(ik,ik)\right| \quad \left|\sum_{k=1}^{\frac{1}{2}N} Qn_k m_k(ik,jk)\right| \succ \left|\sum_{k=\frac{1}{2}N+1}^{N} Qn_k m_k(ik,jk)\right|$$

...(7)

$$\left|\sum_{k=1}^{\frac{1}{2}N} Qn_k m_k(ik,ik)\right| \prec \left|\sum_{k=\frac{1}{2}N+1}^{N} Qn_k m_k(ik,ik)\right| \quad \left|\sum_{k=1}^{\frac{1}{2}N} Qn_k m_k(ik,jk)\right| \prec \left|\sum_{k=\frac{1}{2}N+1}^{N} Qn_k m_k(ik,jk)\right|$$

....(8)

Please amend the paragraph beginning at page 46, line 2, as follows:

$$\left|\sum_{k=1}^{\frac{1}{2}N} Qnm(ik,ik)\right| - \left|\sum_{k=\frac{1}{2}N+1}^{N} Qnm(ik,ik)\right| \succ T \quad \left|\sum_{k=1}^{\frac{1}{2}N} Qnm(ik,jk)\right| - \left|\sum_{k=\frac{1}{2}N+1}^{N} Qnm(ik,jk)\right| \succ T$$

....(1)

$$\left|\sum_{k=\frac{1}{2}N+1}^{N} Qnm(ik,ik)\right| - \left|\sum_{k=1}^{\frac{1}{2}N} Qnm(ik,ik)\right| \succ T \quad \left|\sum_{k=\frac{1}{2}N+1}^{N} Qnm(ik,jk)\right| - \left|\sum_{k=1}^{\frac{1}{2}N} Qnm(ik,jk)\right| \succ T$$

....(2)

Please amend the paragraph beginning at page 66, line 20, as follows:

$$\left|\sum_{k=1}^{\frac{1}{2}N} Qn_k m_k(ik,ik)\right| \succ \left|\sum_{k=\frac{1}{2}N+1}^{N} Qn_k m_k(ik,ik)\right| \quad \left|\sum_{k=1}^{\frac{1}{2}N} Qn_k m_k(ik,jk)\right| \succ \left|\sum_{k=\frac{1}{2}N+1}^{N} Qn_k m_k(ik,jk)\right|$$

...(7)

$$\left|\sum_{k=1}^{\frac{1}{2}N} Qn_k m_k(ik,ik)\right| \prec \left|\sum_{k=\frac{1}{2}N+1}^{N} Qn_k m_k(ik,ik)\right| \quad \left|\sum_{k=1}^{\frac{1}{2}N} Qn_k m_k(ik,jk)\right| \prec \left|\sum_{k=\frac{1}{2}N+1}^{N} Qn_k m_k(ik,jk)\right|$$

....(8)

Please amend the paragraph beginning at page 73, line 8, as follows:

$$\left|\sum_{k=1}^{\frac{1}{2}N} Qnm_k(ik,ik)\right| - \left|\sum_{k=\frac{1}{2}N+1}^{N} Qnm_k(ik,ik)\right| \succ T \qquad \left|\sum_{k=1}^{\frac{1}{2}N} Qnm_k(ik,jk)\right| - \left|\sum_{k=\frac{1}{2}N+1}^{N} Qnm_k(ik,jk)\right| \succ T$$

...(3)

$$\left|\sum_{k=\frac{1}{2}N+1}^{N} Qnm_k(ik,ik)\right| - \left|\sum_{k=1}^{\frac{1}{2}N} Qnm_k(ik,ik)\right| \succ T \qquad \left|\sum_{k=\frac{1}{2}N+1}^{N} Qnm_k(ik,jk)\right| - \left|\sum_{k=1}^{\frac{1}{2}N} Qnm_k(ik,jk)\right| \succ T$$

...(4)

Please amend the paragraph beginning at page 79, line 11, as follows:

$$\left|\sum_{k=1}^{\frac{1}{2}N} Qn_k m_k(ik,ik)\right| - \left|\sum_{k=\frac{1}{2}N+1}^{N} Qn_k m_k(ik,ik)\right| \succ T \qquad \left|\sum_{k=1}^{\frac{1}{2}N} Qn_k m_k(ik,jk)\right| - \left|\sum_{k=\frac{1}{2}N+1}^{N} Qn_k m_k(ik,jk)\right| \succ T$$

...(5)

$$\left|\sum_{k=\frac{1}{2}N+1}^{N} Qn_k m_k(ik,ik)\right| - \left|\sum_{k=1}^{\frac{1}{2}N} Qn_k m_k(ik,ik)\right| \succ T \qquad \left|\sum_{k=\frac{1}{2}N+1}^{N} Qn_k m_k(ik,jk)\right| - \left|\sum_{k=1}^{\frac{1}{2}N} Qn_k m_k(ik,jk)\right| \succ T$$

...(6)